

Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application **English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## ### ## ############################		THOD OF PRE LIDES	EPARING EN	NANTIOMERICALI	LY-ENRICHED TETRAHYDROBENZO	OTHIEPINE
٦,١	the	specification	of which			
That the time that the time time time time tim	(ch	eck one)				
		is attached he	ereto.			
tai B	\boxtimes	was filed on	19 June 2000	0	as United States Application No. o	r PCT International
C.)		Application N	umber _09/5	581,897		
		and was ame	ended on			
ļ-k					(if applicable)	
FRA						

I hereby state that I have reviewed and understand the contents of the above identified specification. including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States. listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Applica	tion(s)		Priority Not Claimed
PCT/US98/26216	wo wo	16 December 1998	×
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	_
(Number)	(Country)	(Day/Month/Year Filed)	

Full name of fourth inventor, if any SNIECKUS, Victor

Fourth inventor's signature

Residence

23 EARL ST. ICINGSTUN, UN CANADA K72 264

Citizenship

US CANADA

Post Office Address

Dept. of Chemistry, Queens's University

Kingston, Ontario, Canada K7L 3N6

Full name of fifth inventor, if any
HUANG, Horng-Chih

Fifth inventor's signature

Date
, 2000

Residence
15481 Duxbury Way, Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

Full name of sixth inventor, if any CARPENTER, Andrew J.

Sixth inventor's signature

Residence

Citizenship
US

Post Office Address
Five Moore Drive, Research Triangle Park, N.C. 27709-3398

M

3

Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	METHOD OF PREPAI	RING ENANTIOMERICAL	LY-ENRICHED TETRAHYDROBENZ	COTHIEPINE
	the specification of w	hich		
And the greet street of the street st	(check one)			
C.)	is attached heret	0.		
5	■ was filed on 19.	June 2000	as United States Application No.	or PCT International
	Application Numb	per 09/581,897		
TU 	and was amende			
h=h			(if applicable)	
	I hereby state that I including the claims,	have reviewed and under as amended by any ame	rstand the contents of the above indment referred to above.	dentified specification,
	I acknowledge the diknown to me to be Section 1.56.	uty to disclose to the Un material to patentability	ited States Patent and Trademark as defined in Title 37, Code of	Office all information Federal Regulations,
	Section 365(b) of ar any PCT International listed below and have	ny foreign application(s) al application which desig e also identified below, b or PCT International app	er Title 35, United States Code, for patent or inventor's certificate mated at least one country other to the characteristic y checking the box, any foreign a lication having a filing date before	, or Section 365(a) of han the United States, pplication for patent or
	Prior Foreign Applica	tion(s)		Priority Not Claimed
	PCT/US98/26216	· wo	16 December 1998	×
	(Number)	(Country)	(Day/Month/Year Filed)	
		-		
	(Number)	(Country)	(Day/Month/Year Filed)	
	(Number)	(Country)	(Day/Month/Year Filed)	

60/068,170	19 December 1997	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
		the United States listed heless and
insofar as the subject matter of e United States or PCT Internationa U.S.C. Section 112, I acknowledg Office all information known to m	each of the claims of this app al application in the manner p ge the duty to disclose to the t ne to be material to patentabi ble between the filing date of the	the United States, listed below and, lication is not disclosed in the prior rovided by the first paragraph of 35 United States Patent and Trademark lity as defined in Title 37, C. F. R., the prior application and the national
insofar as the subject matter of e United States or PCT Internationa U.S.C. Section 112, I acknowledg Office all information known to m Section 1.56 which became availal	each of the claims of this app al application in the manner p ge the duty to disclose to the t ne to be material to patentabi ble between the filing date of the	lication is not disclosed in the prior rovided by the first paragraph of 35 United States Patent and Trademark lity as defined in Title 37, C. F. R.,
insofar as the subject matter of e United States or PCT Internationa U.S.C. Section 112, I acknowledg Office all information known to m Section 1.56 which became availal or PCT International filing date of the	each of the claims of this appared application in the manner page the duty to disclose to the late to be material to patentable between the filing date of this application:	lication is not disclosed in the prior rovided by the first paragraph of 35 United States Patent and Trademark lity as defined in Title 37, C. F. R., the prior application and the national (Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Bauer, S. Christopher, Reg. 42305 Forbes, James C., Reg. 39457 Keane, J. Timothy, Reg, 27808 Luckow, Verne A., Reg. 45950 Scrivner, Alan L, Reg. 43104 Williams, Roger A., Reg. 27679 Bennett, Dennis A, Reg. 34547 Gryte, David M., Reg. 41809 Kovacevic, Cynthia S., Reg. 35578 Meyer, Scott J., Reg. 25279 Warner, James M., Reg. 45199

Send	Correspondence	to:
Selia	COlleaboracine	

M

f.1

. ⊞ Pharmacia/G.D. Searle & Co., Corporate Patent Dept.

P.O. Box 5110

Chicago, Illinois 60680

Direct Telephone Calls to: (name and telephone number)

Warner, James M., 314-694-3642

Full name of sole or first inventor LI, Jinglin (James T.)			
Sole or first-inventor's signature	Seytenker	19 Date , 200	-
Residence 62-13 Ravens Crest Drive, Plainsboro, NJ 08536	<i>V</i>		
Citizenship US			
Post Office Address (same as residence)			
		مير هد	

Full name of second inventor, if any WANG, Ching-Cheng	
Second inventor's signature	Date , 2000
Residence 2470 Maple Crossing Drive, Wildwood, MO 63011	
Citizenship US	
Post Office Address (same as residence)	

Full name of third inventor, if any REITZ, David B.	
Third inventor's signature	Date , 2000
Residence 14814 Pleasant Ridge Ct., Chesterfield, MO 63017	
Citizenship US	
Post Office Address (same as residence)	

ourth inventor's signature	Date , 2000
Residence	
Citizenship US	
Post Office Address Dept. of Chemistry, Queens's University	

Full name of fifth inventor, if any
HUANG, Horng-Chih

Fifth inventor's signature

Date
, 2000

Residence
15481 Duxbury Way, Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

Full name of sixth inventor, if any CARPENTER, Andrew J.	
Sixth inventor's signature	Date , 2000
Residence	
Citizenship US	
Post Office Address Five Moore Drive, Research Triangle Park, N.C. 27709-3398	

L.,

Tų,

OXIDES

Form PTO-SB-01 (9-95) (Modified)



Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD OF PREPARING ENANTIOMERICALLY-ENRICHED TETRAHYDROBENZOTHIEPINE

the specification of wh	ich		
(check one)		•	
☐ is attached hereto.			
■ was filed on 19 Ju	ine 2000	as United States Application No.	or PCT International
Application Number	er 09/581,897		
and was amended	on		
		(if applicable)	
I hereby state that I had including the claims, a	ave reviewed and ι s amended by any	inderstand the contents of the above i amendment referred to above.	dentified specification,
I acknowledge the dutknown to me to be r Section 1.56.	ty to disclose to the naterial to patenta	e United States Patent and Trademark bility as defined in Title 37, Code of	Office all information Federal Regulations,
Section 365(b) of any any PCT International	 foreign application application which of also identified below r PCT International 	under Title 35, United States Code, n(s) for patent or inventor's certificate designated at least one country other tow, by checking the box, any foreign a application having a filing date before	han the United States, pplication for patent or
Prior Foreign Applicati	ion(s)		Priority Not Claimed
PCT/US98/26216	. wo	16 December 1998	×
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	, U
SD on to OE) (Modified)		P02/REV02 Patent and Trademark	Office-U.S. DEPARTMENT OF COM

60/068,170	19 December 1997	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
Section 365(c) of any PCT Internation of the section at the subject matter of the section of the section at the section of the section at the section of the	ational application designating t	he United States, listed below and
United States or PCT International J.S.C. Section 112, I acknowled	al application in the manner proge the duty to disclose to the Une to be material to patentabilishe between the filing date of the	nited by the first paragraph of 3th nited States Patent and Trademark ty as defined in Title 37, C. F. R.
Jnited States or PCT International J.S.C. Section 112, I acknowled Office all information known to resection 1.56 which became availa	al application in the manner proge the duty to disclose to the Une to be material to patentabilishe between the filing date of the	nited by the first paragraph of 3th nited States Patent and Trademark ty as defined in Title 37, C. F. R.
United States or PCT International J.S.C. Section 112, I acknowled on Diffice all information known to reserve available or PCT International filing date of the section 1.56 which became available or PCT International filing date of the section o	al application in the manner proge the duty to disclose to the Une to be material to patentabiliable between the filing date of the his application:	
Jnited States or PCT International J.S.C. Section 112, I acknowled Dffice all information known to resection 1.56 which became available or PCT International filing date of the (Application Serial No.)	al application in the manner proge the duty to disclose to the Une to be material to patentabiliable between the filing date of the his application: (Filing Date)	nited States Patent and Trademark ty as defined in Title 37, C. F. R. ne prior application and the nationa (Status) (patented, pending, abandoned) (Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.





POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Bauer, S. Christopher, Reg. 42305 Forbes, James C., Reg. 39457 Keane, J. Timothy, Reg, 27808 Luckow, Verne A., Reg. 45950 Scrivner, Alan L, Reg. 43104 Williams, Roger A., Reg. 27679 Bennett, Dennis A, Reg. 34547 Gryte, David M., Reg. 41809 Kovacevic, Cynthia S., Reg. 35578 Meyer, Scott J., Reg. 25279 Warner, James M., Reg. 45199

The first first state of the	Send Correspondence to:	Pharmacia/G.D. Searle & Co., Corporate Patent Dept. P.O. Box 5110 Chicago, Illinois 60680	
	Direct Telephone Calls to: Warner, James M., 314-694-36	(name and telephone number) 642	
derit made alle	Full name of sole or first inventor LI, Jinglin (James T.) Sole or first inventor's signature		Date , 2000
Hart Han	Residence 62-13 Ravens Crest Drive, P	lainsboro, NJ 08536	
	Citizenship US	•	
	Post Office Address (same as residence)		

WANG, Ching-Cheng Second inventor's signature	Date , 2000
Residence 2470 Maple Crossing Drive, Wildwood, MO 63011	
Citizenship US	
Post Office Address (same as residence)	

Full name of third inventor, if are	_
REITZ, David B.	
Third inventor's signature	Date , 2000
Residence 14814 Pleasant Ridge Ct., Chesterfield, MO 63017	
Citizenship US	
Post Office Address same as residence)	

}	Full name of fourth inventor, if any SNIECKUS, Victor	
	Fourth inventor's signature	Date , 2000
	Residence	, 2000
Tij	Citizenship US	
4	Post Office Address Dept. of Chemistry, Queens's University	
	Kingston, Ontario, Canada K7L 3N6	
7) 74)		

Full name of fifth inventor, if any
HUANG, Horng-Chih

Fifth inventor's signature

Date
, 2000

Residence
15481 Duxbury Way, Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

Full name of sixth inventor, if any CARPENTER, Andrew J.		
Sixth inventor's signature	SEPT. 19	Date , 2000
Residence Citizenship		
US Post Office Address		
Five Moore Drive, Research Triangle Park, N.C. 27709-3398		

Handl Blum

Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

				he invention entit		the subject matter wi	iicii is cie	anned and lor
* .	METHOD OF PREPARING ENANTIOMERICALLY-ENRICHED TETRAHYDROBENZOTHIEPINE OXIDES							
	the	specification	of which					
	(ch	eck one)						
		is attached h	nereto.					
	X	was filed on	19 June 2000		as United S	tates Application No.	or PCT I	nternational
£24		Application N	Number 09/5	81,897				
TŲ.		and was amended on						
1.1					(if app	olicable)		
I hereby state that I have reviewed and understand the contents of the above identified including the claims, as amended by any amendment referred to above.						specification,		
	kno Se	l acknowledge the duty to disclose to the United States Patent and Trademark Office all informations in the tobe material to patentability as defined in Title 37, Code of Federal Regulation 1.56.				Regulations,		
	Se any list inv	ction 365(b) of PCT Internated below and	of any foreig ational applica I have also ic cate or PCT	n application(s) f ation which desig lentified below, b	for patent or nated at leas y checking th	United States Code, inventor's certificate st one country other to box, any foreign a g a filing date before	, or Section the langer than t	tion 365(a) of United States, In for patent or
	Pri	or Foreign Ap	oplication(s)				Priority	Not Claimed
	PCT	r/US98/26216	· <u>'</u>	wo	16	December 1998		×
	(Nu	ımber)		(Country)	(Day/Month/Year Filed)		
	(Ni	ımber)		(Country)	(Day/Month/Year Filed)		
	(Nu	umber)		(Country)		Day/Month/Year Filed)		

60/068,170	19 December 1997	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
El Coccion Cocco, or any i or interne		
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to measure Section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which is provided to the section 1.56 w	each of the claims of this application in the manner properties the duty to disclose to the Line to be material to patentabile between the filing date of the control of the control of the patentabile between the filing date of the control of the	lication is not disclosed in the prior ovided by the first paragraph of 35 United States Patent and Trademark ity as defined in Title 37, C. F. R.,
Onited States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became availate or PCT International filing date of the Cartesian (Application Serial No.)	each of the claims of this application in the manner properties the duty to disclose to the Line to be material to patentabile between the filing date of the control of the control of the patentabile between the filing date of the control of the	lication is not disclosed in the prior ovided by the first paragraph of 35 United States Patent and Trademark ity as defined in Title 37, C. F. R.,
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate or PCT International filing date of the section 1.56 which became availate the section 1.	each of the claims of this application in the manner project the duty to disclose to the Line to be material to patentabilible between the filing date of the application:	Inited States Patent and Trademark ity as defined in Title 37, C. F. R., he prior application and the national (Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*list name and registration number*)

Bauer, S. Christopher, Reg. 42305 Forbes, James C., Reg. 39457 Keane, J. Timothy, Reg, 27808 Luckow, Verne A., Reg. 45950 Scrivner, Alan L, Reg. 43104 Williams, Roger A., Reg. 27679 Bennett, Dennis A, Reg. 34547 Gryte, David M., Reg. 41809 Kovacevic, Cynthia S., Reg. 35578 Meyer, Scott J., Reg. 25279 Warner, James M., Reg. 45199

Send Correspondence to:	Pharmacia/G.D. Searle & Co., Corporate Patent Dept. P.O. Box 5110 Chicago, Illinois 60680	
	(name and telephone number)	
Warner, James M., 314-694-30	542	
Full name of sole or first inventor LI, Jinglin (James T.)		
Sole or first inventor's signature		Date , 2000
Residence 62-13 Ravens Crest Drive, I	Plainsboro, NJ 08536	
Citizenship US		·
Post Office Address (same as residence)		
		مر د

Second inventor's signature	Sect. 18, 2000
Residence 2470 Maple Crossing Drive, Wildwood, MO 63011	7
Citizenship US	
Post Office Address (same as residence)	





Full name of third inventor, if any REITZ, David/B.	
Third inventor's dignature B, Will	Sept. 20,2000
Residence 14814 Pleasant Ridge Ct., Chesterfield, MO 63017	
Citizenship US	
Post Office Address (same as residence)	
Full name of fourth inventor, if any	
SNIECKUS, Victor	
Fourth inventor's signature	Date , 2000
Residence	
Citizenship US	
Post Office Address Dept. of Chemistry, Queens's University	
Kingston, Ontario, Canada K7L 3N6	
Full name of fifth inventor, if any HUANG, Horng-Chih	
ifth inventor's signature Hospin Hung	Sept 22 , 2000
Residence 15481 Duxbury Way, Chesterfield, MO 63017	
Citizenship US	
Post Office Address (same as residence)	.,

Full name of sixth inventor, if any CARPENTER, Andrew J.	
Sixth inventor's signature	Date , 200 0
Residence	
Citizenship US	
Post Office Address Five Moore Drive, Research Triangle Park, N.C. 27709-3398	